

# AFPC Rock Check Program

Sample No. 2017-03

	Method #	# of Anal.	Grand Median	Std Dev
<b>Moisture</b>				
Ground Sample AFPC IX.2.A	101	31	0.06	0.026
Other (describe)	102	1	0.02	
<b>Method Group 100</b>		<b>32</b>	<b>0.06</b>	<b>0.03</b>
<b>P<sub>2</sub>O<sub>5</sub></b>				
Gravimetric AFPC IX.3.B	201	5	37.82	0.194
ICP-induced coupled plasma AFPC IX.3.D	202	3	37.74	0.358
Photometric-AFPC IX.3.C	203	25	37.58	0.265
Automated -AOAC 978.01-15th	204	11	37.60	0.054
Other(describe)	205	2	37.24	0.246
<b>Method Group 200</b>		<b>46</b>	<b>37.60</b>	<b>0.15</b>
<b>P<sub>2</sub>O<sub>5</sub> (on Dry Basis)</b>				
Gravimetric AFPC IX.3.B	211	3	37.73	0.230
ICP-induced coupled plasma AFPC IX.3.D	212	3	37.76	0.380
Photometric-AFPC IX.3.C	213	15	37.64	0.088
Automated -AOAC 978.01-15th	214	11	37.64	0.056
Other(describe)	215			
<b>Method Group 210</b>		<b>32</b>	<b>37.64</b>	<b>0.09</b>
<b>Fe<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.6.B	301	2	0.35	0.041
ICP-induced coupled plasma-AFPC IX.6.C	302	33	0.28	0.030
Other(describe)	303	6	0.36	0.047
<b>Method Group 300</b>		<b>41</b>	<b>0.28</b>	<b>0.04</b>
<b>Al<sub>2</sub>O<sub>3</sub></b>				
Atomic Absorption-AFPC IX.7.B	401	2	0.31	0.022
ICP-induced coupled plasma-AFPC IX.7.C	402	34	0.18	0.058
Other(describe)	403	5	0.30	0.746
<b>Method Group 400</b>		<b>41</b>	<b>0.19</b>	<b>0.07</b>
<b>MgO</b>				
Atomic Absorption-AFPC IX.8.A	501	3	0.60	0.034
ICP-induced coupled plasma-AFPC IX.8.B	502	32	0.70	0.081
Other(describe)	503	5	0.92	0.015
<b>Method Group 500</b>		<b>40</b>	<b>0.70</b>	<b>0.10</b>
<b>Acid Insoluble</b>				
Insoluble-AFPC IX.4.A	601	24	1.75	0.224
Other(describe)	602	4	1.69	0.179
<b>Method Group 600</b>		<b>28</b>	<b>1.74</b>	<b>0.26</b>
<b>Carbon Dioxide</b>				
Gasometric-AFPC IX.13.B	651	15	2.08	0.116
Other(describe)	652	10	2.05	0.126
<b>Method Group 650</b>		<b>25</b>	<b>2.08</b>	<b>0.11</b>
<b>CaO</b>				
Gravimetric sulfate-AFPC IX.12.A	701			
ICP-induced coupled plasma-AFPC IX.12.D	702	26	52.01	0.784
Ceric Sulfate volumetric-AFPC IX.12.B	703			
Permanganate	704	3	51.55	0.634
EDTA Volumetric-AFPC IX.12.C	705	1	52.82	0.000
Other(describe)	706	10	52.22	0.856
<b>Method Group 700</b>		<b>40</b>	<b>52.04</b>	<b>0.73</b>
<b>CaO (on Dry Basis)</b>				
Gravimetric sulfate-AFPC IX.12.A	711			
ICP-induced coupled plasma-AFPC IX.12.D	712	17	52.06	0.485
Ceric Sulfate volumetric-AFPC IX.12.B	713			
Permanganate	714	2	51.44	0.610
EDTA Volumetric-AFPC IX.12.C	715	1	52.93	0.000
Other(describe)	716	7	52.26	0.663
<b>Method Group 710</b>		<b>27</b>	<b>52.16</b>	<b>0.54</b>

	Method #	# of Anal.	Grand Median	Std Dev
<b>Fluorine, F</b>				
Volumetric-AFPC IX.14.A	801			
Specific Ion Electrode-AFPC IX.14.B	802	28	2.10	0.040
Other (describe)	803	4	2.00	0.144
<b>Method Group 800</b>		<b>32</b>	<b>2.10</b>	<b>0.05</b>
<b>Arsenic, As</b>				
Atomic Absorption	911	1	7.0	0.00
ICP-induced coupled plasma-AFPC IX.15.B	912	12	34.8	23.82
Other(describe)	913	1	2.1	0.00
<b>Method Group 900</b>		<b>14</b>	<b>31.7</b>	<b>27.01</b>
<b>Cadmium, Cd</b>				
Atomic Absorption-AFPC IX.11.A	921	1	1	0.0
ICP-induced coupled plasma-AFPC IX.11.B	922	18	0	0.2
Other(describe)	923	2	0	0.1
<b>Method Group 910</b>		<b>21</b>	<b>0</b>	<b>0.3</b>
<b>Cobalt, Co</b>				
Atomic Absorption-AFPC IX.16.B	931	1	4	0.0
ICP-induced coupled plasma-AFPC IX.16.A	932	15	2	1.1
Other(describe)	933	2	2	0.3
<b>Method Group 920</b>		<b>18</b>	<b>2</b>	<b>1.1</b>
<b>Mercury, Hg</b>				
Atomic Absorption-AFPC IX.16.B	941			
ICP-induced coupled plasma-AFPC IX.16.A	942	4		0.00
Other(describe)	943	2		0.00
<b>Method Group 930</b>		<b>6</b>	<b>0.0</b>	<b>0.00</b>
<b>Molybdenum, Mo</b>				
Atomic Absorption-AFPC IX.16.B	951	1	10	0.0
ICP-induced coupled plasma-AFPC IX.16.A	952	11	2	1.2
Other(describe)	953	2	1	0.9
<b>Method Group 940</b>		<b>14</b>	<b>2</b>	<b>1.7</b>
<b>Nickel, Ni</b>				
Atomic Absorption-AFPC IX.16.B	961	1	11	0.0
ICP-induced coupled plasma-AFPC IX.16.A	962	15	5	0.9
Other(describe)	963	3	6	6.2
<b>Method Group 950</b>		<b>19</b>	<b>5</b>	<b>1.3</b>
<b>Lead, Pb</b>				
Atomic Absorption-AFPC IX.16.B	971	1	8	0.0
ICP-induced coupled plasma-AFPC IX.16.A	972	14	27	9.8
Other(describe)	973	2	23	8.9
<b>Method Group 960</b>		<b>17</b>	<b>26</b>	<b>10.3</b>
<b>Selenium, Se</b>				
Atomic Absorption-AFPC IX.16.B	981			
ICP-induced coupled plasma-AFPC IX.16.A	982	1		0.0
Other(describe)	983	2	4	3.3
<b>Method Group 970</b>		<b>3</b>	<b>0</b>	<b>3.3</b>
<b>Zinc, Zn</b>				
Atomic Absorption-AFPC IX.16.B	991	2	38	22
ICP-induced coupled plasma-AFPC IX.16.A	992	13	6	3
Other(describe)	993	2	1	1
<b>Method Group 980</b>		<b>17</b>	<b>6</b>	<b>4</b>

101 Ground Sample AFPC IX.2.A			
Lab	%	H <sub>2</sub> O	
55	0.62		-21.631
241	0.20		-5.551
266	0.20		-5.551
24	0.12		-2.297
9	0.10		-1.723
21	0.10		-1.723
26	0.09		-1.149
<b>Std Dev</b>	<b>0.08</b>		<b>-1.000</b>
13	0.08		-0.766
21	0.08		-0.766
9	0.07		-0.574
24	0.07		-0.574
30	0.07		-0.574
10	0.06		-0.191
6	0.06		0.000
13	0.06		0.000
15	0.06		0.000
49	0.06		0.000
75	0.06		0.000
<b>Median</b>	<b>0.06</b>		<b>0.000</b>
10	0.05		0.191
15	0.05		0.191
49	0.05		0.191
61	0.05		0.383
6	0.04		0.574
75	0.04		0.574
61	0.04		0.766
<b>Std Dev</b>	<b>0.03</b>		<b>1.000</b>
275	0.03		1.129
275	0.03		1.149
35	0.02		1.340
77	0.02		1.340
77	0.02		1.340
35	0.02		1.455

  

102 Other (describe)			
Lab	%	H <sub>2</sub> O	
69	0.02		0.000
<b>Median</b>	<b>0.02</b>		<b>0.000</b>

  

201 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	
65	38.30		-2.500
<b>Std Dev</b>	<b>38.01</b>		<b>-1.000</b>
77	37.91		-0.490
56	37.82		0.000
<b>Median</b>	<b>37.82</b>		<b>0.000</b>
241	37.65		0.850
<b>Std Dev</b>	<b>37.62</b>		<b>1.000</b>
55	37.07		3.840

202 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	
266	38.55		-2.261
<b>Std Dev</b>	<b>38.10</b>		<b>-1.000</b>
10	37.74		0.000
<b>Median</b>	<b>37.74</b>		<b>0.000</b>
10	37.59		0.419

  

203 Photometric-AFPC IX.3.C			
Lab	%	P2O5	
51	37.99		-1.548
51	37.91		-1.246
<b>Std Dev</b>	<b>37.84</b>		<b>-1.000</b>
69	37.79		-0.774
26	37.77		-0.717
6	37.70		-0.453
6	37.68		-0.359
275	37.67		-0.340
49	37.66		-0.302
49	37.65		-0.245
35	37.63		-0.189
9	37.62		-0.132
275	37.60		-0.075
35	37.58		0.000
92	37.58		0.000
<b>Median</b>	<b>37.58</b>		<b>0.000</b>
92	37.53		0.189
9	37.51		0.264
78	37.49		0.340
30	37.47		0.415
<b>Std Dev</b>	<b>37.32</b>		<b>1.000</b>
78	37.32		1.000
61	37.22		1.359
60	36.70		3.322
61	36.70		3.341

45	36.10		5.586
45	36.02		5.888
270	23.67		52.505

  

204 Automated -AOAC 978.01-15th			
Lab	%	P2O5	
21	37.73		-2.403
13	37.66		-1.109
75	37.66		-1.017
<b>Std Dev</b>	<b>37.65</b>		<b>-1.000</b>
21	37.63		-0.462
75	37.62		-0.277
15	37.60		0.000
24	37.60		0.000
<b>Median</b>	<b>37.60</b>		<b>0.000</b>
13	37.59		0.277
15	37.55		0.924
<b>Std Dev</b>	<b>37.55</b>		<b>1.000</b>
24	37.47		2.403
77	37.44		2.957

  

205 Other (describe)			
Lab	%	P2O5	
56	37.57		-1.340
<b>Std Dev</b>	<b>37.49</b>		<b>-1.000</b>
<b>Median</b>	<b>37.24</b>		<b>0.000</b>
<b>Std Dev</b>	<b>36.99</b>		<b>1.000</b>
19	36.91		1.340

  

211 Gravimetric AFPC IX.3.B			
Lab	%	P2O5	dB
77	37.92		-0.835
241	37.73		0.000
<b>Median</b>	<b>37.73</b>		<b>0.000</b>
<b>Std Dev</b>	<b>37.50</b>		<b>1.000</b>
55	37.30		1.845

  

212 ICP-induced coupled plasma AFPC IX.3.D			
Lab	%	P2O5	dB
266	38.63		-2.275
<b>Std Dev</b>	<b>38.14</b>		<b>-1.000</b>
10	37.76		0.000
<b>Median</b>	<b>37.76</b>		<b>0.000</b>
10	37.61		0.405

213 Photometric-AFPC IX.3.C			
Lab	%	P2O5	dB
26	37.80		-1.819
69	37.79		-1.710
<b>Std Dev</b>	<b>37.73</b>		<b>-1.000</b>
6	37.72		-0.898
6	37.69		-0.551
49	37.68		-0.446
275	37.68		-0.431
49	37.66		-0.254
9	37.64		0.000
<b>Median</b>	<b>37.64</b>		<b>0.000</b>
35	37.64		0.043
275	37.61		0.359
35	37.59		0.622
<b>Std Dev</b>	<b>37.55</b>		<b>1.000</b>
9	37.55		1.061
30	37.50		1.642
61	37.23		4.620
61	36.71		10.521

  

214 Automated -AOAC 978.01-15th			
Lab	%	P2O5	dB
21	37.77		-2.378
<b>Std Dev</b>	<b>37.69</b>		<b>-1.000</b>
13	37.69		-0.947
75	37.67		-0.619
21	37.65		-0.316
24	37.64		-0.137
75	37.64		0.000
<b>Median</b>	<b>37.64</b>		<b>0.000</b>
15	37.62		0.270
13	37.61		0.540
<b>Std Dev</b>	<b>37.58</b>		<b>1.000</b>
15	37.57		1.205
24	37.50		2.511
77	37.45		3.389

  

215 Other (describe)			
Lab	%	P2O5	dB
<b>Median</b>	<b>0.00</b>		<b>0.000</b>

301 Atomic Absorption-AFPC IX.6.B		
Lab	%	Fe2O3
55	0.40	-1.340
Std Dev	0.39	-1.000
Median	0.35	0.000
Std Dev	0.30	1.000
60	0.29	1.340

302 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Fe2O3
78	0.53	-8.375
78	0.51	-7.705
266	0.38	-3.518
61	0.37	-3.015
35	0.32	-1.508
35	0.31	-1.173
Std Dev	0.30	-1.000
275	0.30	-0.905
9	0.30	-0.837
21	0.30	-0.837
6	0.29	-0.335
15	0.29	-0.335
6	0.28	-0.168
9	0.28	-0.168
15	0.28	-0.168
75	0.28	-0.067
75	0.28	-0.057
13	0.28	0.000
21	0.28	0.000
275	0.28	0.000
Median	0.28	0.000
10	0.27	0.168
45	0.27	0.168
49	0.27	0.168
92	0.27	0.168
10	0.26	0.503
13	0.26	0.503
24	0.26	0.503
92	0.26	0.503
49	0.26	0.670
45	0.25	0.838
51	0.25	0.838
Std Dev	0.25	1.000
61	0.25	1.005

24	0.23	1.508
51	0.23	1.508

303 Other(describe)		
Lab	%	Fe2O3
56	0.44	-1.822
Std Dev	0.40	-1.000
77	0.38	-0.536
77	0.36	-0.107
Median	0.36	0.000
65	0.35	0.107
Std Dev	0.31	1.000
19	0.30	1.179
69	0.23	2.648

401 Atomic Absorption-AFPC IX.6.B		
Lab	%	Al2O3
30	0.34	-1.340
Std Dev	0.33	-1.000
Median	0.31	0.000
Std Dev	0.29	1.000
55	0.28	1.340

402 ICP-induced coupled plasma-AFPC IX.6.C		
Lab	%	Al2O3
61	1.35	-20.155
21	0.29	-1.769
21	0.28	-1.683
51	0.28	-1.683
9	0.26	-1.252
9	0.25	-1.165
10	0.25	-1.165
51	0.25	-1.165
Std Dev	0.24	-1.000
10	0.24	-0.993
266	0.22	-0.647
275	0.20	-0.250
275	0.19	-0.173
24	0.19	-0.129
35	0.19	-0.129
24	0.19	-0.043
61	0.19	-0.043
78	0.19	-0.043
Median	0.18	0.000

35	0.18	0.043
92	0.17	0.216
6	0.17	0.302
49	0.17	0.302
78	0.17	0.302
45	0.16	0.388
49	0.16	0.388
92	0.16	0.388
75	0.16	0.449
15	0.16	0.475
75	0.15	0.506
6	0.15	0.561
45	0.15	0.561
15	0.15	0.647
Std Dev	0.12	1.000
13	0.10	1.424
69	0.10	1.441
13	0.08	1.769

403 Other(describe)		
Lab	%	Al2O3
77	1.26	-1.286
77	1.24	-1.260
Std Dev	1.05	-1.000
56	0.30	0.000
Median	0.30	0.000
19	0.24	0.080
65	0.19	0.142

501 Atomic Absorption-AFPC IX.8.A		
Lab	%	MgO
55	0.68	-2.382
Std Dev	0.63	-1.000
60	0.60	0.000
Median	0.60	0.000
30	0.59	0.298

502 ICP-induced coupled plasma-AFPC IX.8.B		
Lab	%	MgO
78	1.41	-8.810
78	1.39	-8.502
266	0.94	-3.019
61	0.89	-2.403
Std Dev	0.78	-1.000

21	0.77	-0.924
49	0.75	-0.678
24	0.74	-0.554
35	0.74	-0.554
35	0.73	-0.431
9	0.72	-0.308
45	0.71	-0.185
24	0.71	-0.123
61	0.71	-0.123
21	0.70	-0.062
49	0.70	-0.062
6	0.70	0.000
15	0.70	0.000
Median	0.70	0.000
9	0.69	0.062
6	0.68	0.185
45	0.68	0.185
15	0.67	0.308
92	0.64	0.678
92	0.63	0.801
13	0.63	0.863
13	0.62	0.924
Std Dev	0.61	1.000
10	0.61	1.047
10	0.60	1.171
75	0.57	1.559
75	0.57	1.597
51	0.56	1.663
69	0.56	1.680
51	0.53	2.033

503 Other(describe)		
Lab	%	MgO
77	0.94	-1.273
Std Dev	0.94	-1.000
56	0.93	-0.603
65	0.92	0.000
Median	0.92	0.000
19	0.91	0.737
Std Dev	0.91	1.000
77	0.90	1.407

601 Insoluble-AFPC IX.4.A		
Lab	%	Al

45	4.54	-12.484
45	4.13	-10.653
55	4.10	-10.519
9	2.17	-1.876
10	2.14	-1.764
10	2.03	-1.273
24	1.97	-1.005
Std Dev	1.97	-1.000
49	1.86	-0.514
13	1.85	-0.447
24	1.80	-0.246
51	1.78	-0.156
15	1.75	-0.022
Median	1.75	0.000
15	1.74	0.022
26	1.74	0.045
49	1.73	0.089
69	1.73	0.089
13	1.72	0.134
51	1.71	0.156
21	1.61	0.603
30	1.58	0.737
21	1.56	0.826
9	1.54	0.916
Std Dev	1.52	1.000
61	1.30	1.988
61	1.16	2.635

602 Other(describe)			
Lab	%	Al	
19	2.22	-2.987	
Std Dev	1.86	-1.000	
6	1.72	-0.195	
Median	1.69	0.000	
6	1.65	0.195	
Std Dev	1.51	1.000	
266	1.47	1.200	

651 Gasometric-AFPC IX.13.B			
Lab	%	CO2	
61	3.51	-12.363	
24	2.44	-3.069	
24	2.38	-2.594	
Std Dev	2.20	-1.000	

13	2.14	-0.519
13	2.14	-0.519
9	2.10	-0.173
6	2.10	-0.173
6	2.08	0.000
Median	2.08	0.000
30	2.06	0.173
15	2.00	0.692
9	1.99	0.778
15	1.98	0.865
Std Dev	1.96	1.000
49	1.95	1.124
49	1.86	1.902
21	1.59	4.236

652 Other(describe)			
Lab	%	CO2	
55	2.22	-1.390	
275	2.20	-1.231	
275	2.19	-1.151	
Std Dev	2.17	-1.000	
51	2.09	-0.357	
78	2.09	-0.357	
Median	2.05	0.000	
51	2.00	0.357	
56	2.00	0.357	
78	2.00	0.397	
65	1.92	0.993	
Std Dev	1.92	1.000	
266	1.74	2.422	

701 Gravimetric sulfate-AFPC IX.12.A			
Lab	%	CaO	
Median	0.00	0.000	

702 ICP-induced coupled plasma-AFPC IX.12.D			
Lab	%	CaO	
270	70.54	-23.654	
78	54.29	-2.916	
21	52.90	-1.136	
78	52.87	-1.098	
Std Dev	52.79	-1.000	
49	52.51	-0.644	
61	52.42	-0.530	

92	52.35	-0.440
21	52.33	-0.415
61	52.30	-0.376
9	52.23	-0.281
10	52.13	-0.160
6	52.05	-0.051
49	52.03	-0.032
Median	52.01	0.000
10	51.98	0.032
6	51.95	0.070
13	51.87	0.172
13	51.64	0.466
45	51.48	0.670
9	51.43	0.734
92	51.25	0.964
Std Dev	51.22	1.000
51	50.91	1.397
51	50.78	1.563
45	50.67	1.704
75	50.21	2.289
75	49.58	3.093
69	49.41	3.318

703 Ceric Sulfate volumetric-AFPC IX.12.B			
Lab	%	CaO	
Median	0.00	0.000	

704 Permanganate			
Lab	%	CaO	
30	52.22	-1.056	
Std Dev	52.18	-1.000	
60	51.55	0.000	
Median	51.55	0.000	
Std Dev	50.92	1.000	
241	50.52	1.624	

705 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	
266	52.82	0.000	
Median	52.82	0.000	

706 Other(describe)			
Lab	%	CaO	
65	53.65	-1.667	

Std Dev	53.08	-1.000
77	53.00	-0.908
55	52.90	-0.791
77	52.70	-0.558
15	52.24	-0.015
Median	52.22	0.000
15	52.21	0.015
56	51.80	0.493
24	51.67	0.645
24	51.47	0.879
Std Dev	51.37	1.000
19	51.00	1.428

711 Gravimetric sulfate-AFPC IX.12.A				
Lab	%	CaO	dB	
Median	0.00		0.000	

712 ICP-induced coupled plasma-AFPC IX.12.I				
Lab	%	CaO	dB	
21	52.93		-1.806	
Std Dev	52.54		-1.000	
49	52.54		-0.985	
61	52.44		-0.794	
21	52.38		-0.668	
61	52.32		-0.535	
9	52.28		-0.451	
10	52.16		-0.201	
6	52.07		-0.031	
49	52.06		0.000	
Median	52.06		0.000	
10	52.01		0.098	
6	51.97		0.181	
13	51.91		0.309	
13	51.67		0.805	
Std Dev	51.57		1.000	
9	51.47		1.222	
75	50.24		3.753	
75	49.60		5.068	
69	49.41		5.451	

713 Ceric Sulfate volumetric-AFPC IX.12.B				
Lab	%	CaO	dB	
Median	0.00		0.000	

714 Permanganate			
Lab	%	CaO	dB
30	52.26		-1.340
Std Dev	52.05		-1.000
Median	51.44		0.000
Std Dev	50.83		1.000
241	50.62		1.340

715 EDTA Volumetric-AFPC IX.12.C			
Lab	%	CaO	dB
266	52.93		0.000
Median	52.93		0.000

716 Other(describe)			
Lab	%	CaO	dB
55	53.23		-1.462
77	53.01		-1.131
Std Dev	52.92		-1.000
77	52.71		-0.678
15	52.26		0.000
Median	52.26		0.000
15	52.24		0.034
24	51.71		0.837
Std Dev	51.60		1.000
24	51.53		1.104

801 Volumetric-AFPC IX.14.A			
Lab	%	Fluorine, F	
Median	0.00		0.000

802 Specific Ion Electrode-AFPC IX.14.B			
Lab	%	Fluorine, F	
30	2.36		-6.482
24	2.26		-3.864
275	2.23		-3.116
21	2.18		-1.870
266	2.15		-1.247
Std Dev	2.14		-1.000
275	2.14		-0.997
75	2.13		-0.623
21	2.12		-0.499
13	2.12		-0.374
6	2.11		-0.125
13	2.11		-0.125

24	2.11		-0.125
49	2.11		-0.125
26	2.10		0.000
51	2.10		0.000
Median	2.10		0.000
35	2.09		0.249
15	2.08		0.499
9	2.08		0.623
15	2.08		0.623
69	2.07		0.682
35	2.07		0.748
49	2.06		0.997
75	2.06		0.997
Std Dev	2.06		1.000
9	2.00		2.618
51	1.99		2.742
6	1.99		2.742
270	0.50		39.888
55	0.28		45.373

803 Other(describe)			
Lab	%	Fluorine, F	
77	2.24		-1.696
Std Dev	2.14		-1.000
77	2.04		-0.312
Median	2.00		0.000
19	1.95		0.312
Std Dev	1.85		1.000
65	1.74		1.794

911 Atomic Absorption-AFPC			
Lab	ppm	Arsenic, As	
55	7.0		0.000
Median	7.0		0.000

912 ICP-induced coupled plasma-AFPC IX.15.B			
Lab	ppm	Arsenic, As	
69	60.5		-1.080
Std Dev	58.6		-1.000
61	55.0		-0.848
78	51.2		-0.688
78	46.6		-0.495
51	38.0		-0.134
51	37.0		-0.092

Median	34.8		0.000
24	32.6		0.092
24	30.8		0.170
270	18.1		0.701
Std Dev	11.0		1.000
35	9.0		1.083
35	8.0		1.125
266	0.0		1.461

913 Other(describe)			
Lab	ppm	Arsenic, As	
13	2.1		0.000
Median	2.1		0.000

921 Atomic Absorption-AFPC IX.11.A			
Lab	ppm	Cadmium, Cd	
55	1		0.000
Median	1		0.000

922 ICP-induced coupled plasma-AFPC IX.11.B			
Lab	ppm	Cadmium, Cd	
51	1		-4.087
51	1		-4.087
78	1		-4.087
78	1		-4.087
61	0		-1.005
Std Dev	0		-1.000
61	0		-0.826
75	0		-0.290
75	0		-0.067
270	0		-0.067
Median	0		0.000
266	0		0.067
24	0		0.380
24	0		0.380
35	0		0.380
35	0		0.380
45	0		0.380
45	0		0.380
77	0		0.380
77	0		0.380

923 Other(describe)			
Lab	ppm	Cadmium, Cd	

69	0		-1.340
Std Dev	0		-1.000
Median	0		0.000
Std Dev	0		1.000
13	0		1.340

931 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
55	4		0.000
Median	4		0.000

932 ICP-induced coupled plasma-AFPC IX.16.B			
Lab	ppm	Cobalt, Co	
78	6		-3.697
78	6		-3.234
Std Dev	3		-1.000
35	3		-0.924
77	3		-0.924
61	2		-0.231
266	2		-0.185
35	2		0.000
45	2		0.000
77	2		0.000
Median	2		0.000
270	2		0.092
75	1		0.693
75	1		0.832
24	1		0.878
24	1		0.878
45	1		0.924

933 Other(describe)			
Lab	ppm	Cobalt, Co	
13	2		-1.340
Std Dev	2		-1.000
Median	2		0.000
Std Dev	2		1.000
69	2		1.340

941 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Mercury, Hg	
Median	0.0		0.000

942 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Mercury, Hg	
35	0.0	0.000	
35	0.0	0.000	
266	0.0	0.000	
270	0.0	0.000	
<b>Median</b>	<b>0.0</b>	<b>0.000</b>	

943 Other(describe)			
Lab	ppm	Mercury, Hg	
13	0.0	0.000	
69	0.0	0.000	
<b>Median</b>	<b>0.0</b>	<b>0.000</b>	

951 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Iolybdenum, Mo	
55	10	0.000	
<b>Median</b>	<b>10</b>	<b>0.000</b>	

952 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Iolybdenum, Mo	
270	34	-26.232	
78	3	-1.178	
77	3	-1.056	
<b>Std Dev</b>	<b>3</b>	<b>-1.000</b>	
77	2	-0.244	
61	2	-0.122	
78	2	0.000	
<b>Median</b>	<b>2</b>	<b>0.000</b>	
24	1	0.203	
24	1	0.244	
<b>Std Dev</b>	<b>0</b>	<b>1.000</b>	
266	0	1.137	
45	0	1.381	
45	0	1.381	

953 Other(describe)			
Lab	ppm	Iolybdenum, Mo	
69	3	-1.340	
<b>Std Dev</b>	<b>2</b>	<b>-1.000</b>	
<b>Median</b>	<b>1</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0</b>	<b>1.000</b>	
13	0	1.340	

961 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Nickel, Ni	
55	11	0.000	
<b>Median</b>	<b>11</b>	<b>0.000</b>	

962 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Nickel, Ni	
78	14	-10.264	
78	14	-9.694	
77	7	-2.281	
45	6	-1.140	
45	6	-1.140	
<b>Std Dev</b>	<b>6</b>	<b>-1.000</b>	
24	6	-0.741	
24	5	-0.342	
77	5	0.000	
270	5	0.000	
<b>Median</b>	<b>5</b>	<b>0.000</b>	
75	5	0.057	
61	5	0.171	
75	5	0.228	
<b>Std Dev</b>	<b>4</b>	<b>1.000</b>	
35	3	2.281	
266	3	2.281	
35	2	3.421	

963 Other(describe)			
Lab	ppm	Nickel, Ni	
19	19	-2.097	
<b>Std Dev</b>	<b>12</b>	<b>-1.000</b>	
69	6	0.000	
<b>Median</b>	<b>6</b>	<b>0.000</b>	
13	2	0.583	

971 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Lead, Pb	
55	8	0.000	
<b>Median</b>	<b>8</b>	<b>0.000</b>	

972 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Lead, Pb	
61	44	-1.717	
61	44	-1.697	
78	41	-1.386	

78	38	-1.131	
<b>Std Dev</b>	<b>37</b>	<b>-1.000</b>	
51	31	-0.408	
51	29	-0.204	
77	28	-0.102	
<b>Median</b>	<b>27</b>	<b>0.000</b>	
77	26	0.102	
35	24	0.306	
266	24	0.336	
35	23	0.408	
270	21	0.581	
<b>Std Dev</b>	<b>17</b>	<b>1.000</b>	
24	12	1.574	
24	10	1.732	

973 Other(describe)			
Lab	ppm	Lead, Pb	
69	35	-1.340	
<b>Std Dev</b>	<b>32</b>	<b>-1.000</b>	
<b>Median</b>	<b>23</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>14</b>	<b>1.000</b>	
13	11	1.340	

981 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Selenium, Se	
<b>Median</b>	<b>0</b>	<b>0.000</b>	

982 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Selenium, Se	
266	0	0.000	
<b>Median</b>	<b>0</b>	<b>0.000</b>	

983 Other(describe)			
Lab	ppm	Selenium, Se	
13	9	-1.340	
<b>Std Dev</b>	<b>8</b>	<b>-1.000</b>	
<b>Median</b>	<b>4</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>1</b>	<b>1.000</b>	
69	0	1.340	

991 Atomic Absorption-AFPC IX.16.B			
Lab	ppm	Zinc, Zn	
60	68	-1.340	
<b>Std Dev</b>	<b>60</b>	<b>-1.000</b>	

<b>Median</b>	<b>38</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>16</b>	<b>1.000</b>	
55	8	1.340	

992 ICP-induced coupled plasma-AFPC IX.16.A			
Lab	ppm	Zinc, Zn	
24	36	-8.611	
24	35	-8.222	
<b>Std Dev</b>	<b>9</b>	<b>-1.000</b>	
75	8	-0.606	
35	8	-0.577	
78	8	-0.433	
35	7	-0.288	
78	6	0.000	
<b>Median</b>	<b>6</b>	<b>0.000</b>	
61	6	0.058	
75	4	0.447	
61	3	0.763	
<b>Std Dev</b>	<b>3</b>	<b>1.000</b>	
77	0	1.731	
77	0	1.731	
266	0	1.731	

993 Other(describe)			
Lab	ppm	Zinc, Zn	
69	2	-1.340	
<b>Std Dev</b>	<b>2</b>	<b>-1.000</b>	
<b>Median</b>	<b>1</b>	<b>0.000</b>	
<b>Std Dev</b>	<b>0</b>	<b>1.000</b>	
13	0	1.340	